EXHIBIT 8

US 8600383—Claim 1	3GPP Specifications
	3GPP TS 36.304 v. 8.10.0
A method of cell	
reselection by a user	
equipment device (UE),	5.2 Cell selection and reselection
	5.2.1 Introduction
	UE shall perform measurements for cell selection and reselection purposes as
	specified in [10].
	The NAS can control the RAT(s) in which the cell selection should be performed, for
	instance by indicating RAT(s) associated with the selected PLMN, and by maintaining a
	list of forbidden registration area(s) and a list of equivalent PLMNs. The UE shall select
	a suitable cell based on idle mode measurements and cell selection criteria.
	In order to speed up the cell selection process, stored information for several RATs
	may be available in the UE. When camped on a cell, the UE shall regularly search for a
	better cell according to the cell reselection criteria. If a better cell is found, that cell is
	selected. The change of cell may imply a change of RAT. Details on performance
	requirements for cell reselection can be found in [10].
the UE operable with a	
first cellular Radio	[Comment: multi-RAT UE including UMTS. First RAT corresponds to E-UTRA
Access Technology	(LTE), second RAT corresponds UMTS.]
(RAT) and a second	
cellular RAT, the	3GPP TS 36.304 v. 8.10.0
method comprising:	
	1 Scope
	[]
	The present document applies to all UEs that support at least E-UTRA, including multi-
	RAT UEs as described in 3GPP specifications, in the following cases:
	- When the UE is camped on an E-UTRA cell;
	- When the UE is searching for a cell to camp on;
	NOTE: When the UE is camped on or searching for a cell to camp on belonging to other
	RATs, the UE behavior is described in the specifications of the other RAT.

5.2 Cell selection and reselection

5.2.1 Introduction

UE shall perform measurements for cell selection and reselection purposes as specified in [10]. The NAS can control the RAT(s) in which the cell selection should be performed, for instance by indicating RAT(s) associated with the selected PLMN, and by maintaining a list of forbidden registration area(s) and a list of equivalent PLMNs. The UE shall select a suitable cell based on idle mode measurements and cell selection criteria.

In order to speed up the cell selection process, stored information for several RATs may be available in the UE. When camped on a cell, the UE shall regularly search for a better cell according to the cell reselection criteria. If a better cell is found, that cell is selected. The change of cell may imply a change of RAT. Details on performance requirements for cell reselection can be found in [10].

[...]

when the UE is camped on a cell of the first RAT,

[Comment: First RAT corresponds to E-UTRA]

3GPP TS 36.304 v. 8.10.0

5.2 Cell selection and reselection

5.2.1 Introduction

[...]

When camped on a cell, the UE shall regularly search for a better cell according to the cell reselection criteria. If a better cell is found, that cell is selected. The change of cell may imply a change of RAT. Details on performance requirements for cell reselection can be found in [10].

[...]

1 Scope

[...]

The present document applies to all UEs that support at least E-UTRA, including multi-RAT UEs as described in 3GPP specifications,

in the following cases:

When the UE is camped on an E-UTRA cell;

	- When the UE is searching for a cell to camp on;
	[]
	2CDD TC 2C 204 v. 9 10 0
	3GPP TS 36.304 v. 8.10.0
cell of a second RAT is	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
San tan tan tan tan tan tan tan tan tan t	
	normal camping
	If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the
	"list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being
	equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for
	reselection for a maximum of 300s. In case of UTRA further requirements are defined in the
	[8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is
	redirected under E-UTRAN control to a frequency for which the timer is running, any
	limitation on that frequency shall be removed.
	[]
	3GPP TS 36.304 v. 8.10.0
said cell of the second	
	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
reserved in it said cen	normal camping
	[]
not suitable for	If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the
camping,	"list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being
	equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for
	reselection for a maximum of 300s. In case of UTRA further requirements are defined in the
	[8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is
	redirected under E-UTRAN control to a frequency for which the timer is running, any
	limitation on that frequency shall be removed.
	[]
	3GPP TS 36.304 v. 8.10.0
considering said cell of	
	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
	normal camping
	[]

If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being" equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed.

US 8600383—Claim 9 3GPP Specifications

to claim 1, wherein the time period is a maximum of 300 seconds.

The method according | 3GPP TS 36.304 v. 8.10.0

5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for normal camping

[..]

If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being" equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed.

[...]

US 8600383—Claim 17 3GPP Specifications

A user equipment device (UE) configured to be operable with a first cellular Radio Access Technology (RAT) and a second cellular RAT, the UE comprising:

[Comment: multi-RAT UE including UMTS. First RAT corresponds to E-UTRA (LTE), second RAT corresponds UMTS.]

3GPP TS 36.304 v. 8.10.0

1 Scope

[...]

The present document applies to all UEs that support at least E-UTRA, including multi-RAT UEs as described in 3GPP specifications, in the following cases:

- When the UE is camped on an E-UTRA cell;
- When the UE is searching for a cell to camp on;

	NOTE: When the UE is camped on or searching for a cell to camp on belonging to other RATs, the UE behavior is described in the specifications of the other RAT.
	5.2 Cell selection and reselection 5.2.1 Introduction
	UE shall perform measurements for cell selection and reselection purposes as specified in [10]. The NAS can control the RAT(s) in which the cell selection should be performed, for instance by indicating RAT(s) associated with the selected PLMN, and by maintaining a list of forbidden registration area(s) and a list of equivalent PLMNs. The UE shall select a suitable cell based on idle mode measurements and cell selection criteria.
	In order to speed up the cell selection process, stored information for several RATs may be available in the UE. When camped on a cell, the UE shall regularly search for a better cell according to the cell reselection criteria. If a better cell is found, that cell is selected. The change of cell may imply a change of RAT. Details on performance requirements for cell reselection can be found in [10]. []
a processor and memory,	On information and belief, the user equipment contains a processor and a memory.
the UE being operable	[Comment: First RAT corresponds to E-UTRA]
so that, when the UE is	3GPP TS 36.304 v. 8.10.0
first RAT, it is	
determined whether a	5.2 Cell selection and reselection
cell of a second RAT is	5.2.1 Introduction []
suitable for camping,	When camped on a cell, the UE shall regularly search for a better cell according to the cell
	reselection criteria. If a better cell is found, that cell is selected. The change of cell may
	imply a change of RAT. Details on performance requirements for cell reselection can be found in [10].
	[]
	1 Scope

[...]

The present document applies to all UEs that support at least E-UTRA, including multi-RAT UEs as described in 3GPP specifications,

in the following cases:

- · When the UE is camped on an E-UTRA cell;
- When the UE is searching for a cell to camp on;

[...]

3GPP TS 36.304 v. 8.10.0

5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for normal camping

[..]

If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the "list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed.

[...]

wherein the UE does not consider said cell of the second RAT as a candidate for reselection if said cell of the second RAT is not suitable for camping,

3GPP TS 36.304 v. 8.10.0

5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for normal camping

II..1

If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the "list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed.

∥...

16 11 1	hopp 75 25 204
	3GPP TS 36.304 v. 8.10.0
consider said cell of the	
	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
period.	normal camping
	If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the
	"list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being
	equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for
	reselection for a maximum of 300s. In case of UTRA further requirements are defined in the
	[8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is
	redirected under E-UTRAN control to a frequency for which the timer is running, any
	limitation on that frequency shall be removed.
	[]
US 8600383—Claim 25	·
	3GPP TS 36.304 v. 8.10.0
claim 17, wherein the	
anna panta a a	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
maximum of 300	normal camping
seconds.	[]
	If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the
	"list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being
	equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for
	reselection for a maximum of 300s. In case of UTRA further requirements are defined in the
	[8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is
	redirected under E-UTRAN control to a frequency for which the timer is running, any
	limitation on that frequency shall be removed.
	[]
US 8600383—Claim 49	3GPP Specifications
A user equipment	[Comment: multi-RAT UE including UMTS. First RAT corresponds to E-UTRA
device (UE) configured	(LTE), second RAT corresponds UMTS.]
to be operable	
with a first cellular	3GPP TS 36.304 v. 8.10.0
Radio Access	
Technology (RAT) and	1 Scope
	[]

a second cellular RAT, the UE comprising:	The present document applies to all UEs that support at least E-UTRA, including multi-RAT UEs as described in 3GPP specifications, in the following cases:
	 When the UE is camped on an E-UTRA cell; When the UE is searching for a cell to camp on; NOTE: When the UE is camped on or searching for a cell to camp on belonging to other
	RATs, the UE behavior is described in the specifications of the other RAT.
	5.2 Cell selection and reselection 5.2.1 Introduction
	UE shall perform measurements for cell selection and reselection purposes as specified in [10]. The NAS can control the RAT(s) in which the cell selection should be performed, for instance by indicating RAT(s) associated with the selected PLMN, and by maintaining a list of forbidden registration area(s) and a list of equivalent PLMNs. The UE shall select a suitable cell based on idle mode measurements and cell selection criteria.
	In order to speed up the cell selection process, stored information for several RATs may be available in the UE. When camped on a cell, the UE shall regularly search for a better cell according to the cell reselection criteria. If a better cell is found, that cell is selected. The change of cell may imply a change of RAT. Details on performance requirements for cell reselection can be found in [10]. []
a processor and memory,	On information and belief, the user equipment contains a processor and a memory.
the UE being operable so that, when the UE is	[Comment: First RAT corresponds to E-UTRA]
	3GPP TS 36.304 v. 8.10.0
first RAT,	5.2 Cell selection and reselection
	5.2.1 Introduction
	[]

When camped on a cell, the UE shall regularly search for a better cell according to the cell reselection criteria. If a better cell is found, that cell is selected. The change of cell may imply a change of RAT. Details on performance requirements for cell reselection can be found in [10].

[...]

1 Scope

The present document applies to all UEs that support at least E-UTRA, including multi-RAT UEs as described in 3GPP specifications,

in the following cases:

- When the UE is camped on an E-UTRA cell;
- When the UE is searching for a cell to camp on;

[...]

the UE considers a cell **3GPP TS 36.304 v. 8.10.0** of a second RAT as barred as a candidate for reselection for a time period if said cell of the second RAT is not suitable for camping.

5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for normal camping

If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being" equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed.

US 8600383—Claim 58 3GPP Specifications

The UE according to claim 49, wherein the time period is a maximum of 300 seconds.

3GPP TS 36.304 v. 8.10.0

5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for normal camping

If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being" equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed.

US 8600383—Claim 66 3GPP Specifications

A method of cell reselection by a user equipment device (UE), the UE operable with a first cellular Radio Access Technology (RAT) and a [...] method comprising:

[Comment: multi-RAT UE including UMTS. First RAT corresponds to E-UTRA (LTE), second RAT corresponds UMTS.]

3GPP TS 36.304 v. 8.10.0

1 Scope

second cellular RAT, the The present document applies to all UEs that support at least E-UTRA, including multi-RAT UEs as described in 3GPP specifications, in the following cases:

- When the UE is camped on an E-UTRA cell;
- When the UE is searching for a cell to camp on;

NOTE: When the UE is camped on or searching for a cell to camp on belonging to other RATs, the UE behavior is described in the specifications of the other RAT.

5.2 Cell selection and reselection

5.2.1 Introduction

UE shall perform measurements for cell selection and reselection purposes as specified in [10]. The NAS can control the RAT(s) in which the cell selection should be performed, for instance by indicating RAT(s) associated with the selected PLMN, and by maintaining a list of forbidden registration area(s) and a list of equivalent PLMNs. The UE shall select a suitable cell based on idle mode measurements and cell selection criteria.

In order to speed up the cell selection process, stored information for several RATs may be available in the UE. When camped on a cell, the UE shall regularly search for a

	heaten all according to the cell good action with signification and in formed that cell is
	better cell according to the cell reselection criteria. If a better cell is found, that cell is
	selected. The change of cell may imply a change of RAT. Details on performance
	requirements for cell reselection can be found in [10].
	[]
when the UE is camped	[Comment: First RAT corresponds to E-UTRA]
on a cell of the first	
RAT,	3GPP TS 36.304 v. 8.10.0
	5.2 Cell selection and reselection
	5.2.1 Introduction
	[]
	When camped on a cell, the UE shall regularly search for a better cell according to the cell reselection criteria. If a better cell is found, that cell is selected. The change of cell may imply a change of RAT. Details on performance requirements for cell reselection can be found in [10].
	1 Scope
	[]
	The present document applies to all UEs that support at least E-UTRA, including multi-RAT
	UEs as described in 3GPP specifications,
	in the following cases:
	- When the UE is camped on an E-UTRA cell;
	- When the UE is searching for a cell to camp on;
	[]
determining whether a	3GPP TS 36.304 v. 8.10.0
cell of a second RAT is	
suitable for camping	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
	normal camping
	[]
	If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the
	"list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being
	equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for
	reselection for a maximum of 300s. In case of UTRA further requirements are defined in the
	[8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is

	redirected under E-UTRAN control to a frequency for which the timer is running, any
	limitation on that frequency shall be removed.
	[]
the UE excluding said	3GPP TS 36.304 v. 8.10.0
cell of the second RAT	
as a candidate for	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
reselection for a time	normal camping
period if said cell of the	[]
second RAT is not	If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the
suitable for camping.	"list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being
	equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for
	reselection for a maximum of 300s. In case of UTRA further requirements are defined in the
	[8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is
	redirected under E-UTRAN control to a frequency for which the timer is running, any
	limitation on that frequency shall be removed.
	[]
US 8600383—Claim 74	3GPP Specifications
The method according	3GPP TS 36.304 v. 8.10.0
to claim 66, wherein	
the time period is a	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
maximum of 300	normal camping
seconds.	[]
Seconds.	If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the
	"list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being
	equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for
	reselection for a maximum of 300s. In case of UTRA further requirements are defined in the
	[8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is
	redirected under E-UTRAN control to a frequency for which the timer is running, any
	limitation on that frequency shall be removed.
	[]
US 8600383—Claim 82	3GPP Specifications
A user equipment	[Comment: multi-RAT UE including UMTS. First RAT corresponds to E-UTRA
device (UE) configured	(LTE), second RAT corresponds UMTS.]
to be operable	, ,,
The second second	1
	3GPP TS 36.304 v. 8.10.0

with a first cellular	
Radio Access	1 Scope
Technology (RAT) and	[]
a second cellular RAT,	The present document applies to all UEs that support at least E-UTRA, including multi-
the UE comprising:	RAT UEs as described in 3GPP specifications, in the following cases:
	- When the UE is camped on an E-UTRA cell;
	- When the UE is searching for a cell to camp on;
	NOTE: When the UE is camped on or searching for a cell to camp on belonging to other
	RATs, the UE behavior is described in the specifications of the other RAT.
	5.2 Cell selection and reselection
	5.2.1 Introduction
	UE shall perform measurements for cell selection and reselection purposes as specified
	in [10]. The NAS can control the RAT(s) in which the cell selection should be performed,
	for instance by indicating RAT(s) associated with the selected PLMN, and by
	maintaining a list of forbidden registration area(s) and a list of equivalent PLMNs. The
	UE shall select a suitable cell based on idle mode measurements and cell selection
	criteria.
	In order to speed up the cell selection process, stored information for several RATs
	may be available in the UE. When camped on a cell, the UE shall regularly search for a
	better cell according to the cell reselection criteria. If a better cell is found, that cell is
	selected. The change of cell may imply a change of RAT. Details on performance
	requirements for cell reselection can be found in [10].
	[]
a processor and	On information and belief, the user equipment contains a processor and a memory.
memory,	
the UE being operable	[Comment: First RAT corresponds to E-UTRA]
so that, when the UE is	
camped on a cell of the	3GPP TS 36.304 v. 8.10.0
first RAT,	
	5.2 Cell selection and reselection

	5.2.1 Introduction
	[]
	When camped on a cell, the UE shall regularly search for a better cell according to the cell reselection criteria. If a better cell is found, that cell is selected. The change of cell may imply a change of RAT. Details on performance requirements for cell reselection can be
	found in [10].
	[]
	1 Scope
	[] The present decument applies to all LIEs that support at least E LITPA, including multi-PAT
	The present document applies to all UEs that support at least E-UTRA, including multi-RAT UEs as described in 3GPP specifications,
	in the following cases:
	- When the UE is camped on an E-UTRA cell;
	- When the UE is searching for a cell to camp on;
	[]
it is determined	3GPP TS 36.304 v. 8.10.0
whether a cell of a	3
second RAT is suitable	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
for camping,	normal camping
. J. Janiping)	[]
	If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the "list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed. []
wherein the UE	3GPP TS 36.304 v. 8.10.0
excludes said cell of the	
second RAT as a 20	5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for
candidate for	normal camping
reselection for a time	[]
period if said cell of	

the second RAT is not	
suitable for camping.	

If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the "list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed.

US 8600383—Claim 90 3GPP Specifications

The UE according to claim 82, wherein the time period is a maximum of 300 seconds.

3GPP TS 36.304 v. 8.10.0

5.2.4.4 Highest ranked cells with cell reservations, access restrictions or unsuitable for normal camping

[...

If the highest ranked cell is an inter-RAT cell which is not suitable due to being part of the "list of forbidden TAs for roaming" or belonging to a PLMN which is not indicated as being equivalent to the registered PLMN, the UE shall not consider this cell as a candidate for reselection for a maximum of 300s. In case of UTRA further requirements are defined in the [8]. If the UE enters into state any cell selection, any limitation shall be removed. If the UE is redirected under E-UTRAN control to a frequency for which the timer is running, any limitation on that frequency shall be removed.